IN THE UNITED STATES
PATENT AND TRADEMARK OFFICE

Patent Application

Applicant(s): Rice et al.
Docket No.: YOR920030235US1
Serial No.: 10/699,283
Filing Date: October 31, 2003
Group: 2143
Examiner: Unassigned

Title: Techniques for Reconstructing Synthetic Networks
Using Pair-Wise Correlation Analysis

INFORMATION DISCLOSURE STATEMENT

Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. §§1.56, 1.97 and 1.98, Applicants' attorney wishes to bring to the attention of the Patent and Trademark Office the following documents listed on the accompanying PTO Form 1449. Copies of each of the following listed items are enclosed.
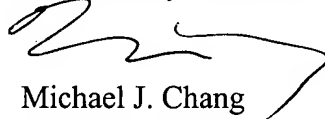
Other Documents

1. Jeong et al., "The Large-Scale Organization of Metabolic Networks," Nature, Vol. 407, pgs. 651-654 (October 5, 2000).
2. Jeong et al., "Lethality and Centrality in Protein Networks," Nature, Vol. 411, pgs. 41-42 (May 3, 2001).
3. Koza et al., "Reverse Engineering of Metabolic Pathways from Observed Data Using Genetic Programming."
4. Milo et al., "Network Motifs: Simple Building Blocks of Complex Networks," Science, Vol. 298, pgs. 824-827 (October 25, 2002).
5. Samoilov et al., "On the Deduction of Chemical Reaction Pathways from Measurements of Time Series of Concentrations," CHAOS, Vol. 11, No. 1, pgs. 108-114 (March 2001).
6. Shen-Orr et al., "Network Motifs in the Transcriptional Regulation Network of Escherichia Coli," Nature Genetics (April 22, 2002).
7. Smith et al., "Influence of Network Topology and Data Collection on Network Inference."
8. Strogatz, S.H., "Exploring Complex Networks," Nature, Vol. 410, pgs. 268-276 (March 8, 2001).
9. Uetz et al., "A Comprehensive Analysis of Protein-Protein Interactions in Saccharomyces Cerevisiae," Nature, Vol. 403, pgs. 623-627 (February 10, 2000).
10. Woolf et al., "A Fuzzy Logic Approach to Analyzing Gene Expression Data," Physiol Genomics, Vol. 3, pgs. 9-15 (2000).

11. Yeung et al., "Reverse Engineering Gene Networks Using Singular Value Decomposition and Robust Regression," PNAS, Vol. 99, No. 9 pgs. 6163-6168 (April 30, 2002).

In the event of non-payment or improper payment of a required fee, the Commissioner is authorized to charge or the credit **International Business Machines Corporation's Deposit Account No. 50-0510** as required to correct the error.

The filing of this Information Disclosure Statement shall not be construed as a representation that a search has been made, or as an admission that the information cited is considered to be material to patentability or as a representation that no other material information exists.
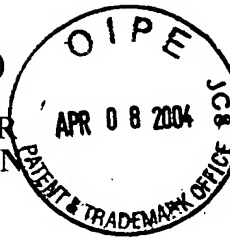
Respectfully submitted,

Date: April 8, 2004

Michael J. Chang
Attorney for Applicant(s)
Reg. No. 46,611
Ryan, Mason & Lewis, LLP
1300 Post Road, Suite 205
Fairfield, CT 06824
(203) 255-6560

Applicant(s): Rice et al.
Docket No.: YOR920030235US1
Serial No.: 10/699,283
Filing Date: October 31, 2003
Group: 2143

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS/SUBCLASS	FILING DATE IF APPROPRIATE
———					

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NO.	DATE	COUNTRY	CLASS/SUBCLASS	TRANSLATION YES NO
———					
———					
———					
———					

OTHER DOCUMENTS

EXAMINER INITIAL	REF NO.	AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.
———		Jeong et al., "The Large-Scale Organization of Metabolic Networks," Nature, Vol. 407, pgs. 651-654 (October 5, 2000).
———		Jeong et al., "Lethality and Centrality in Protein Networks," Nature, Vol. 411, pgs. 41-42 (May 3, 2001).
———		Koza et al., "Reverse Engineering of Metabolic Pathways from Observed Data Using Genetic Programming."
———		Milo et al., "Network Motifs: Simple Building Blocks of Complex Networks," Science, Vol. 298, pgs. 824-827 (October 25, 2002).
———		Samoilov et al., "On the Deduction of Chemical Reaction Pathways from Measurements of Time Series of Concentrations," CHAOS, Vol. 11, No. 1, pgs. 108-114 (March 2001).
———		Shen-Orr et al., "Network Motifs in the Transcriptional Regulation Network of Escherichia Coli," Nature Genetics (April 22, 2002).
———		Smith et al., "Influence of Network Topology and Data Collection on Network Inference."
———		Strogatz, S.H., "Exploring Complex Networks," Nature, Vol. 410, pgs. 268-276 (March 8, 2001).
———		Uetz et al., "A Comprehensive Analysis of Protein-Protein Interactions in Saccharomyces Cerevisiae," Nature, Vol. 403, pgs. 623-627 (February 10, 2000).
———		Woolf et al., "A Fuzzy Logic Approach to Analyzing Gene Expression Data," Physiol Genomics, Vol. 3, pgs. 9-15 (2000).
———		Yeung et al., "Reverse Engineering Gene Networks Using Singular Value Decomposition and Robust Regression," PNAS, Vol. 99, No. 9 pgs. 6163-6168 (April 30, 2002).

Examiner _____   Date Considered _____

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.